

REMENT BOOK

er	Dimensions			Contents	Reference to last Measurement
	Length 4	Breadth 5	Depth 6		
				7	8

Bill No. 1st and Final

105/31-5-14

M. A. R. 57 (Rule 116)
Measurement Book

No. B

190672

Serial No.
Name of work Improvements to Road and drain at Kaway layout in ward No. 66
Name of Contractor of nature of Agency K.R.I.D.L
Date of commencement of work

Date	Full description, etc, of work	Dimensions			Contents	Reference to last Measurement
		Number	Length	Breadth		
1	2	3	4	5	6	7
	Work code No. 006-14-000028					
	Work order No: 392/13-14 / 21.02.2014					
	Est Amt: 40.00 (Lkhs)					
	Date of Recording: 5.5.2014					
	1) Earth work excavation by manual means in hard soil involving an average throw upto 2m and an average lift upto 0.5m excavated surface leveled and sides neatly dressed the disposed earth by leveled neatly after breaking of clods complete as per specification and direction of the engineer in charge of work.					

MEASUREMENT BOOK

Date 1	Full description, etc, of work 2	Dimensions				Contents 7	Reference to last Measurement 8
		Number 3	Length 4	Breadth 5	Depth 6		
	Road 1	2	30.00	0.60	0.35	12.60	
		2	30.00	0.60	0.35	12.60	
		2	30.00	0.60	0.45	16.20	
		2	30.00	0.60	0.35	12.60	
		2	18.90	0.60	0.30	10.80	
	Road 2	2	30.00	0.60	0.45	16.20	
		2	30.00	0.60	0.30	10.80	
		2	30.00	0.60	0.40	14.40	
		2	30.00	0.60	0.45	16.20	
	Road 3	2	16.60	0.60	0.45	8.96	
		2	30.00	0.60	0.40	14.40	
		2	30.00	0.60	0.35	12.60	
	Road 4	2	31.80	0.60	0.45	17.17	
		2	30.00	0.60	0.35	12.60	
		2	26.70	0.60	0.45	14.67	

Serial No.
 Name of work
 Name of Contractor of nature of Agency.....
 Date of commencement of work.....

Date 1	Full description, etc, of work 2	N
	Road 5	
	Road 6	
	Berm cutting Road 1	
	Road 2	

EMENT BOOK

Dimensions			Contents	Reference to last Measurement
Length 4	Breadth 5	Depth 6		
30.00	0.60	0.35	12.60	
30.00	0.60	0.35	12.60	
30.00	0.60	0.45	16.20	
30.00	0.60	0.35	12.60	
18.90	0.60	0.30	10.80	
30.00	0.60	0.45	16.20	
30.00	0.60	0.30	10.80	
30.00	0.60	0.40	14.40	
30.00	0.60	0.45	16.20	
16.60	0.60	0.45	8.96	
30.00	0.60	0.40	16.40	
30.00	0.60	0.35	12.60	
31.80	0.60	0.45	17.17	
30.00	0.60	0.35	12.60	
26.70	0.60	0.45	14.61	

M. A. R. 57 (Rule 116) Measurement Book

No. B

190673

work From To
 of Contractor of nature of Agency.....
 commencement of work.....

Full description, etc, of work	Number	Dimensions			Contents	Reference to last Measurement
		Length	Breadth	Depth		
2	3	4	5	6	7	8
Road 5	2	30.00	0.60	0.35	12.60	
	2	27.60	0.60	0.45	14.90	
Road 6	2	30.00	0.60	0.45	16.20	
	2	38.90	0.60	0.45	21.01	
Berm cutting						
Road 1	2	30.00	1.50	0.20	18.00	
	2	30.00	1.30	0.25	19.50	
	2	30.00	1.25	0.30	22.50	
	2	30.00	1.50	0.30	27.00	
	2	18.90	1.35	0.25	12.76	
Road 2	2	30.00	1.25	0.30	22.50	

MENT BOOK

Dimensions			Contents	Reference to last Measurement
Length	Breadth	Depth		
4	5	6	7	8
			766.89 ay	
			760.20 ay	
			90.72/4	68965=0
Mucking & complete at per specification & work.				
30.00	-	1.65	99.00	
18.00	-	1.65	59.40	
22.00	-	1.65	72.66	
28.00	-	1.65	92.40	
25.00	-	1.65	82.50	
16.00	-	1.65	52.80	
22.00	-	1.65	72.60	
30.00	-	1.65	99.00	
20.00	-	1.65	61.00	

M. A. R. 57 (Rule 116) Measurement Book

No. B 190675

Serial No.
 Name of work From To
 Name of Contractor of nature of Agency.....
 Date of commencement of work.....

Date	Full description, etc, of work	Number	Dimensions			Contents	Reference to last Measurement
			Length	Breadth	Depth		
1	2	3	4	5	6	7	8
						696.30 ay	
						693.20 ay	
						50.11/4	34726=0
	3) Refining slab & drains and pointing in CM (1:3) & complete at per specification and direction of engineer in charge & work.						
						693.20 ay	
						70.04 ay	48538=0
	4) Providing granite slabs of selected quality roughly dressed and fixed in cement						

MEASUREMENT BOOK

Date	Full description, etc., of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	4PC not used Measurement continued on: 13.5.2014	1	5.00	4.60	0.15	3.45 118.58 cu 4290.82/cu 508722:00	
6)	providing and constructing granite / trap / basalt like stone masonry in superstructure with cement mortar 1:6 edges of stones chiselled in courses not less than 15cm high bond stones at 2m apart in each course including cost of all material, labour, curing etc complete as per specification and direction of engineer in charge of work	3x2	6.00	0.60	0.90	32.40 cu 4423.68/cu 143327:00	

Serial No.

Name of work

Name of Contractor of nature of Agency.

Date of commencement of work.

Date	Full description, etc, of work	No
1	2	
1)	providing ruled pointing to deep after raking joints to labour. curing complete work.	3
2)	providing and laying in position 240 kg with 20mm and down cum and fine aggregates & 0.45 exceeding 15cm thick well all materials <u>at</u> complete	

MEASUREMENT BOOK

Date 1	Full description, etc, of work 2	Dimensions				Contents 7	Reference to last Measurement 8
		Number 3	Length 4	Breadth 5	Depth 6		
	u) providing TMT steel reinforcement for RCC work including straightening cutting bending, hooking placing in position lapping and/or welding wherever required tying with binding wire and anchoring to the adjoining members wherever necessary complete as per design (laps, hooks and wall tie shall not be measured and paid) also complete as per specification and direction of engineer in charge of work. <i>CPR</i> <i>measured</i> Qty vide page no 190694 of 15th MS Measurement continued on:- 20.5.2018					9.05 7.28.911 62880= 7450.92/als 54317.00 K. Ramesh	
	12) providing and fixing compressible fiber board in expansion joints complete as per specification and direction of engineer in charge of work	5 5	2.80 3.00	-	-	14.00 15.00	

Serial No.

Name of work

Name of Contractor of nature of Agency.....

Date of commencement of work.....

Date 1	Full description, etc, of work 2
	13) providing and laying of ready mixed concrete well compacted vibrating works and scaffolding to complete as per specification

MEASUREMENT BOOK

Date 1	Full description, etc, of work 2	Dimensions				Contents 7	Reference to last Measurement 8
		Number 3	Length 4	Breadth 5	Depth 6		
		1	30.00	(4.5+4.6)	-	133.00	
		1	30.00	4.60	-	131.00	
		1	30.00	(4.4+4.6)	-	135.00	
		1	5.00	4.60	-	23.00	
						756.40 kg	
						Qty initial & 750.00 kg	
						@ 91.80/kg 68850.00	
15)	Scambying overlying stone metal layer upto 75mm thick along with their bituminous surface picking up scanned material and stacking of old serviceable materials with lead of 100m sequential spreading of the salvages aggregates with fresh aggregates on prepared base and consolidating as per water bound macadam specification and direction of engineer						

Serial No.
 Name of work
 Name of Contractor of nature of Agency.....
 Date of commencement of work.....

Date 1	Full description, etc, of work 2
	in charge of work. Road 1
	Road 2

MENT BOOK

Dimensions			Contents	Reference to last Measurement
Length	Breadth	Depth		
4	5	6	7	8
30.00	(4.5+4.4)	-	133.00	
0.00	4.40	-	132.00	
0.00	(4.4+4.4)	-	135.00	
5.00	4.60	-	23.00	
			750.60 kg	
			Qty initial & 750.00 kg	
			@ 91.80/kg 68850.00	
layer upto 75mm thick along with				
g up 100mm thick material and stacking				
lead & 100mm sequential spreading of the				
allies on prepared base and consolidating				
specification and direction of engineer				

M. A. R. 57 (Rule 116) Measurement Book

No. B 190631

Serial No. From To
 Name of work
 Name of Contractor of nature of Agency
 Date of commencement of work

Date	Full description, etc, of work	Dimensions			Contents	Reference to last Measurement
		Number	Length	Breadth		
1	2	3	4	5	6	7
	in charge of work. Road 1	1	30.00	(5.2+4.9)	-	151.50
		1	30.00	(4.9+4.7)	-	144.00
		1	30.00	(4.7+5.1)	-	147.00
		1	30.00	(5.1+4.8)	-	148.50
		1	18.90	(4.8+5.0)	-	92.61
	Road 2	1	30.00	(5.1+5.0)	-	151.50
		1	30.00	(5.0+5.2)	-	153.00

MEASUREMENT BOOK

Date 1	Full description, etc, of work 2	Dimensions				Contents 7	Reference to last Measurement 8
		Number 3	Length 4	Breadth 5	Depth 6		
		1	30.00	$\frac{(5.2+5.1)}{2}$	-	156.50	
		1	30.00	$\frac{(5.1+4.4)}{2}$	-	142.50	
		1	16.60	$\frac{(4.4+4.5)}{2}$	-	73.87	
	Road 3	1	30.00	$\frac{(4.9+4.8)}{2}$	-	145.50	
		1	31.80	$\frac{(4.8+4.1)}{2}$	-	141.50	
	Road 4	1	30.00	$\frac{(4.7+4.2)}{2}$	-	133.50	
		1	26.70	$\frac{(4.2+4.5)}{2}$	-	116.15	
	Road 5	1	30.00	$\frac{(4.3+4.1)}{2}$	-	126.00	
		1	27.60	$\frac{(4.1+4.2)}{2}$	-	114.54	
	Road 6	1	30.00	$\frac{(4.9+4.4)}{2}$	-	136.50	
		1	38.80	$\frac{(4.2+4.6)}{2}$	-	171.16	

Serial No.
 Name of work
 Name of Contractor of nature of Agency
 Date of commencement of work

Date 1	Full description, etc, of work 2
	16) providing, laying & spreading macadam & pebbles in mechanical wire plant layers with paver in sub b with vibration roller to achieve direction & engineer in Road 1

MEASUREMENT BOOK

Dimensions			Contents	Reference to last Measurement
Length	Breadth	Depth		
4	5	6	7	8
30.00	$(5.2+5.1)$	-	154.50	
30.00	$(5.1+4.4)$	-	142.50	
16.60	$(4.4+4.5)$	-	73.27	
30.00	$(4.9+4.8)$	-	145.50	
31.80	$(4.8+4.1)$	-	141.50	
30.00	$(4.7+4.2)$	-	133.50	
26.70	$(4.2+4.5)$	-	116.15	
30.00	$(4.3+4.1)$	-	126.00	
27.60	$(4.1+4.2)$	-	114.54	
30.00	$(4.9+4.1)$	-	136.50	
38.80	$(4.2+4.6)$	-	171.16	

M. A. R. 57 (Rule 116)
Measurement Book

No. B
190632

Serial No.
Name of work From To
Name of Contractor of nature of Agency
Date of commencement of work

Date	Full description, etc, of work	Number	Dimensions			Contents	Reference to last Measurement
			Length	Breadth	Depth		
1		3	4	5	6	7	8
	Measurement continued on 23.5.2014 16) providing, laying spreading and compacting graded macadam specification including providing the materials with water at one in mechanical wire plant carriage & mixed material by tipper to site laying in uniform layers with paver in sub base / base course on well prepared surface and compacting with vibratory roller to achieve the desired density complete as per specification and direction of engineer in charge of work. Road 1	1	30.00	$(5.2+4.9)$	0.20	30.30	
		1	30.00	$(4.9+4.7)$	0.20	28.80	

MEASUREMENT BOOK

Date 1	Full description, etc, of work 2	Dimensions				Contents 7	Reference to last Measurement 8
		Number 3	Length 4	Breadth 5	Depth 6		
		1 ✓	30.00	$(4.7 + 5.1) \div 2$	0.20	29.60	
		1 ✓	30.00	$(5.1 + 4.8) \div 2$	0.20	29.70	
		1 ✓	18.90	$(4.8 + 5.0) \div 2$	0.20	18.52	
	Road 2	1 ✓	30.00	$(5.1 + 5.0) \div 2$	0.20	30.30	
		1 ✓	30.00	$(5.0 + 5.2) \div 2$	0.20	30.60	
		1 ✓	30.00	$(5.2 + 5.1) \div 2$	0.20	30.90	
		1 ✓	30.00	$(5.1 + 4.4) \div 2$	0.20	29.30	
		1 ✓	16.60	$(4.4 + 4.9) \div 2$	0.20	14.77	
	Road 3	1 ✓	30.00	$(4.9 + 4.8) \div 2$	0.20	29.10	
		1 ✓	30.00	$(4.8 + 4.8) \div 2$	0.20	28.80	

Serial No.
 Name of work
 Name of Contractor of nature of Agency
 Date of commencement of work

Date 1	Full description, etc, of work 2
	Road 4
	Road 5
	Road 6
	CPFL mofus 22

MEASUREMENT BOOK

Number	Dimensions			Contents	Reference to last Measurement
	Length	Breadth	Depth		
3	4	5	6	7	8
1	30.00	$(4.7 + 5.1) \div 2$	0.20	29.60	
1	30.00	$(5.1 + 4.8) \div 2$	0.20	29.70	
1	18.90	$(4.8 + 5.0) \div 2$	0.20	18.52	
1	30.00	$(5.1 + 5.0) \div 2$	0.20	30.30	
1	30.00	$(5.0 + 5.2) \div 2$	0.20	30.60	
1	30.00	$(5.2 + 5.1) \div 2$	0.20	30.90	
1	30.00	$(5.1 + 4.4) \div 2$	0.20	29.30	
1	16.60	$(4.4 + 4.8) \div 2$	0.20	14.77	
1	30.00	$(4.8 + 4.8) \div 2$	0.20	29.10	
1	30.00	$(4.8 + 4.8) \div 2$	0.20	28.80	

M. A. R. 57 (Rule 116)
Measurement Book

No. B

190683

Serial No.
Name of work From To
Name of Contractor of nature of Agency
Date of commencement of work

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
		1	21.80	$(4.8 + 4.1) \div 2$	0.20	28.30	
	Road 4	1	30.00	$(4.7 + 4.2) \div 2$	0.20	26.70	
		1	26.70	$(4.20 + 4.7) \div 2$	0.20	23.23	
	Road 5	1	30.00	$(4.3 + 4.4) \div 2$	0.20	25.20	
		1	27.60	$(4.1 + 4.2) \div 2$	0.20	22.81	
	Road 6	1	30.00	$(4.8 + 4.2) \div 2$	0.20	27.30	
		1	38.80	$(4.2 + 4.6) \div 2$	0.20	34.23	
						517.57 cu	579.578 = 10

chf
measured
24/5/14

1121.04/cy
23/5/14.

MEASUREMENT BOOK

Dimensions			Contents	Reference to last Measurement
Length 4	Breadth 5	Depth 6		
30.00	$(4.7+4.2) \div 2$	-	141.57	
26.70	$(4.2+4.5) \div 2$	-	116.15	
30.00	$(4.3+4.1) \div 2$	-	126.00	
27.60	$(4.1+4.2) \div 2$	-	114.54	
30.00	$(4.8+4.2) \div 2$	-	136.50	
38.80	$(4.2+4.6) \div 2$	-	171.16	
			2587.84 kg	
			2585.10 kg	
			10.53/kg	27220.00
v coat from 12.2 to 14.6 kg per				
sity over prepared surface of granular				

M. A. R. 57 (Rule 116) Measurement Book

No. B

190685

Serial No.

Name of work From To

Name of Contractor of nature of Agency.....

Date of commencement of work.....

Date	Full description, etc, of work	Dimensions			Contents	Reference to last Measurement
		Number	Length	Breadth		
1	2	3	4	5	6	7
	base with cut-back MC-70 or any other bitumen etc complete					
	Qty vide item No. 17				2585.10 kg	
					142.07/kg	36725.00
19)	providing and laying semi dense bituminous concrete 25mm thick with 100-120 TPH batch type HMP producing an average output of 75 tonnes per hour with crushed ss complete					
	Road 1)	1	30.00	$(5.2+4.9) \div 2$	0.025	3.79
		1	30.00	$(4.9+4.7) \div 2$	0.025	3.60

MEASUREMENT BOOK

Date 1	Full description, etc, of work 2	Dimensions				Contents 7	Reference to last Measurement 8
		Number 3	Length 4	Breadth 5	Depth 6		
	Road 2	1	30.00	$(4.7+5.1) \div 2$	0.025	3.68	
		1	30.00	$(5.1+4.8) \div 2$	0.025	3.71	
		1	18.90	$(4.8+5.0) \div 2$	0.025	2.32	
		1	30.00	$(5.1+5.0) \div 2$	0.025	3.79	
		1	30.00	$(5.0+5.2) \div 2$	0.025	3.83	
		1	30.00	$(5.2+5.1) \div 2$	0.025	3.86	
		1	30.00	$(5.1+4.4) \div 2$	0.025	3.56	
		1	16.60	$(4.4+4.5) \div 2$	0.025	1.95	
	Road 3	1	30.00	$(4.9+4.8) \div 2$	0.025	3.64	
		1	30.00	4.8	0.025	3.60	

Serial No.
 Name of work
 Name of Contractor of nature of Agency.....
 Date of commencement of work.....

Date 1	Full description, etc, of work 2
	Road 4
	Road 5
	Road 6

REMENT BOOK

Dimensions			Contents	Reference to last Measurement
Length	Breadth	Depth		
4	5	6	7	8
30.00	$(4.7+5.1)$	0.025	3.68	
30.00	$(5.1+4.8)$	0.025	3.71	
18.90	$(4.8+5.0)$	0.025	2.32	
30.00	$(5.1+5.0)$	0.025	3.79	
30.00	$(5.0+5.2)$	0.025	3.83	
30.00	$(5.2+5.1)$	0.025	3.86	
30.00	$(5.1+4.4)$	0.025	3.56	
16.60	$(4.4+4.5)$	0.025	1.95	
30.00	$(4.8+4.8)$	0.025	3.64	
30.00	4.8	0.025	3.60	

M. A. R. 57 (Rule 116) Measurement Book

No. B

190686

Serial No.
Name of work From To
Name of Contractor or nature of Agency.....
Date of commencement of work.....

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	Road 4	1	31.80	$(4.8+4.1)$	0.025	3.54	
		1	30.00	$(4.7+4.2)$	0.025	3.34	
		1	26.70	$(4.2+4.5)$	0.025	2.90	
	Road 5	1	30.00	$(4.3+4.1)$	0.025	3.15	
		1	27.60	$(4.1+4.2)$	0.025	2.86	
	Road 6	1	30.00	$(4.8+4.2)$	0.025	3.41	
		1	38.90	$(4.2+4.6)$	0.025	4.28	

C8 Fe.
of
Exo. Engr.
Sgt. Dn.
30/5/2024

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
						64-70 cu Qty wanted to 64-63 cu @ 9981.36/cu 645095=0	
	20) lead for disposal of debris shall be payable at carriage rates by mechanical means including loading and unloading <u>re complete</u>					Qty vide item No 01 570.15 cu @ 72.71/cu 414562v 3449974=0 Add KRIDL charges @ 11% TPI charges @ 1% 34500=0 34500=0	

Assistant Executive Engineer
Byatarayanapura Sub Division
B.E.M.P. Bangalore

38,44 093=10

Serial No.

Name of work

Name of Contractor of nature of Agency.....

Date of commencement of work.....

Date	Full description, etc, of work
1	2 <u>certificate</u>: • certified Skeletal mod

MEASUREMENT BOOK

Dimensions				Contents	Reference to last Measurement
Number 3	Length 4	Breadth 5	Depth 6		
				64-70 cm Qty wanted to 64-65 cm @ 9981.36/cu 645095=0	
				570.15 cu @ 72.71/cu 414562	
				3449874=0 379487=0 34500=0 3998383=0 38,44,093=0	

Work shall be payable at carriage rates by loading and unloading complete
Qty vide item No 01
Add KRIDL charges @ 11%
TPI charges @ 1%

M. A. R. 57 (Rule 116)
Measurement Book

No. B 190687

Serial No.
Name of work From To
Name of Contractor of nature of Agency
Date of commencement of work

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	certificate: certified that the work done is satisfactory Sketch show the location of work done spot.						

cc Road
Asphalt Road

30/5/14

EMENT BOOK

Dimensions			Contents	Reference to last Measurement
Length	Breadth	Depth		
4	5	6	7	8

ಸಹಾಯಕ ನಿರ್ದೇಶಕರು,
ಬಿ.ಬಿ.ಎಂ.ಸಿ. ಬ್ಯಾಟರಾಯನಗೂರು ಉಪ ವಿಭಾಗ
30/5/14

M. A. R. 57 (Rule 116) Measurement Book

No. B
190688

Serial No.
Name of work From To
Name of Contractor of nature of Agency.....
Date of commencement of work.....

Date	Full description, etc, of work	Number	Dimensions			Contents	Reference to last Measurement
			Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	3844093 = 00 389405 = 00 32,54,628 = 00 384411 3844 65608 1000 TOTAL 589405 = 00						